





**THE DATASHEET OF
CCR6.0MUC8WT**



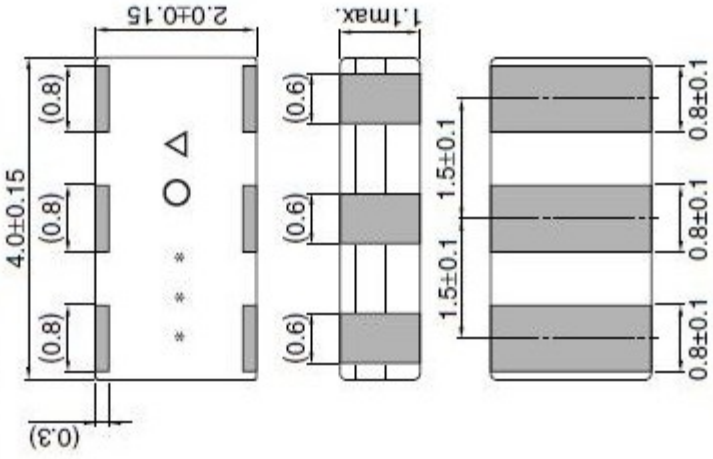
CCR*. * W Ceramic Chip Resonator for 105C Temp

TDK Parts Name*	CCR*. **MUC8WT	CCR*. **MXC8
Shape		
Chip Size (mm)	4.0 x 2.0	3.2 x 1.3
Nominal OSC Frequency** (MHz)	4.00 ~ 7.99	8.00 ~ 11.0
Operating Temperature Range (°C)	-40 ~ +105°C	-40 ~ +105°C
Initial Tolerance*** (%)	±0.5/0.3	±0.5/0.3
Resonant Impedance (Ω)	40 Max	40 Max

Shape & Dimensions

MUC8WT

FUNDAMENTAL WAVE MODE: 4.0 to 7.99MHZ/
BUILT-IN LOAD CAPACITY

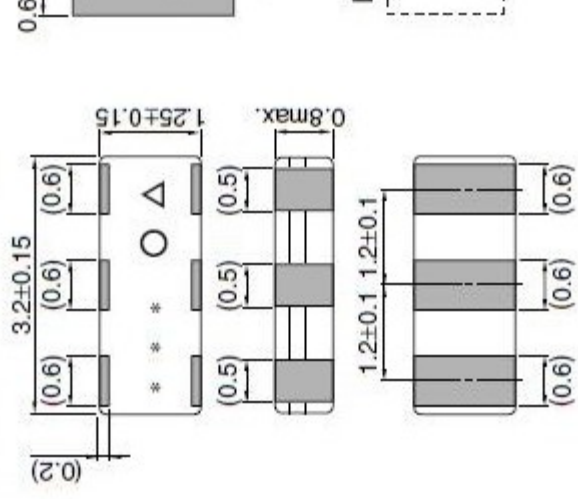


Dimensions in mm



MXC8WT

FUNDAMENTAL WAVE MODE: 8.0
BUILT-IN LOAD CAPACITY



Dimensions in mm

Electrical Characteristics

Part No.	Oscillating frequency Fosc(MHz)	Resonant impedance Ro(Ω)	Initial Fosc tolerance * (%)	Capacitance CL (pF)
CCR**.*MUC8WT [Fosc=4.00 to 7.99MHz]				
CCR4.0MUC8WT	4.000	40	$\pm 0.5/0.3$	27pF
CCR4.19MUC8WT	4.194	40	$\pm 0.5/0.3$	27pF
CCR4.91MUC8WT	4.915	40	$\pm 0.5/0.3$	27pF
CCR5.0MUC8WT	5.000	40	$\pm 0.5/0.3$	27pF
CCR6.0MUC8WT	6.000	40	$\pm 0.5/0.3$	27pF
CCR**.*MXC8WT [Fosc=8.00 to 11.00MHz]				
CCR8.0MXC8WT	8.000	40	$\pm 0.5/0.3$	18pF
CCR8.38MXC8WT	8.380	40	$\pm 0.5/0.3$	18pF
CCR10.0MXC8WT	10.000	40	$\pm 0.5/0.3$	18pF
CCR11.0MXC8WT	11.000	40	$\pm 0.5/0.3$	18pF

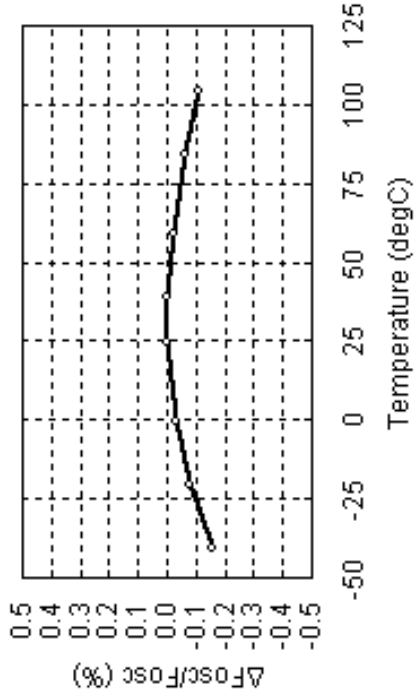
Typical Electrical Characteristics

TYPICAL ELECTRICAL CHARACTERISTICS

OSCILLATING FREQUENCY OVER TEMPERATURE

MUC8/MXC8:±0.3%/±40 to +105degC (Standard)

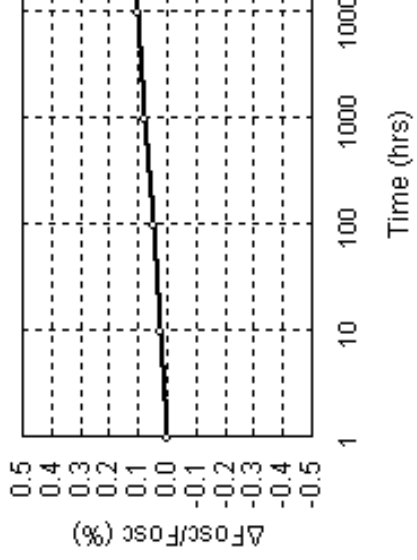
CCR8.0/MXC8



OSCILLATING FREQUENCY AGING

MUC8/MXC8:±0.2%/10years(Standard)

CCR8.0/MXC8



Reliability specification **(CCR**.*MUC8WT / MXC8WT)**

Item	General specification
Low Temp. Storage	-40°C / 1,000h
High Temp.Storage	105°C / 1,000h
Humidity Test	85%R.H. at 85°C 1000h
Air Thermal Shock Test	-40 ~105°C / 500cyc
Board Bending	1mm, 5sec
Mechanical shock test	102G, 6ms for 3 times in each direction
Vibration test	10-500Hz 10G X,Y,Z 48h
Drop test	Concrete 1.0m for 3times
Soldering Test	Conforms to lead free solder
Solder ability	Conforms to lead free solder

Looking for pricing, stock, or lifecycle information?

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 [TDK Corporation Information](#)

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-  Cost Control Management
-  Shortage Management
-  Alternative Solution
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